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UBJECT	Ultrasonic Research at the Central for Radio Communications	Institute	NO OF FAGES	4.	
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- After the trimmitter in Birliam began operating. Dr. Endelph Maker department chief at Funkwerk-Kodpenick, concentrated on the development of various ultrasenic instruments and particularly on ultrasenic image-converter techniques, however, a production plant such as the Funkwerk was not suited for development of the delicate technique required in ultrasenies. The plant could not provide many of the technical pre-requisites such as high vacuum installations and glass bloging facilities, for the development of the image-converter take. The count is transmitters and heat generators of several hundred kilowatt power brought, about a conditions not conductive to the marketion of an ultrasenic instrument of a flat milliwatt capacity. The 220-volt power supply, with its continuously changing local, was not suitable for the sensitive compensating circuits of the ultraseum interferemeter. The existence of these conditions, and a desire to transfer from the political sphere of a production plant to a scientific institute, induced for Kaiser, in May 1953, to apply for a position in the next established Central Institute for Radio Communications (Zentralinstitut fuer Funkwesen) in Berlindelershof. The Central Institute, directed by Dr. (fnu) Gerhard, a returnee from the USSR, was subordinate to the limitary for Post and Telecommunications of the ODR.
- Dr. Kaiser proposed to Dr. Gerhard that an ultrasonic laboratory be established in the Institute. At first his suggestion was taken coolly by Dr. Gerhard, but a few days later, after Gerhard had checked with the Ministry, he not only agreed to the proposition but suggested that the entire underwater sound development program of the DDR be taken over and combined in the new laboratory. Dr. Gerhard was not certain of the individual problems under consideration by the DDR, but stated that in viewof the emphasis being placed on the rebuilding of the National Armed Forces, the establishment of suchan department was necessary. He affered the directorship of this department to Dr. Kaiser.
- Gerhard, Kaiser and Musller Preustur, Director of administration, made an estimate of the space and additional personnel required for such a laboratory. In view of the large amount of money available to Gerhard and Preusker, it has apparent that the Central Institute was considered important by the authorities. However, when Dr. Kaiser said he would need a river, lake waterfront, or atmospher a large water tank for the development of underwater sound instruments, he received the reply that, at present, only berracks were available at Gruenau, but that a large building was to be constructed there within a year. Saiser could move anter that when it

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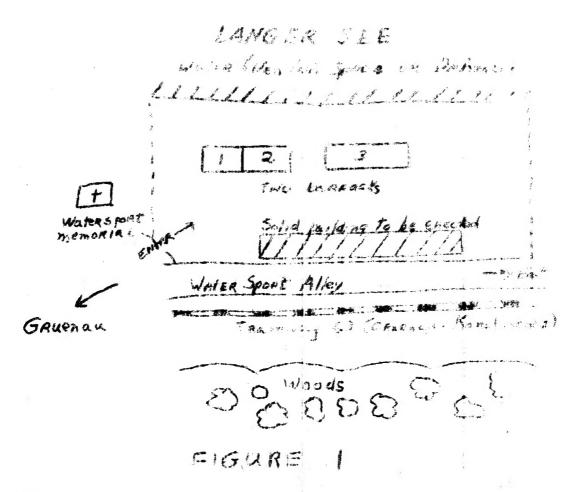
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## LEGEND 8

1. - Half barrack for Dr. Deutschmann 2. - Half barrack for Dr. Maiser

3. - Berrack for electro-acquatical section

777 - Old buildings (Berlin brewery) to be rulled down

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